

Application No. 10/086,792  
Amendment "A" dated June 22, 2005  
Reply to Office Action mailed May 9, 2005

### AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1 - 5 (Canceled).

6. (Currently Amended) A method in accordance with Claims 147 or 48, wherein ~~the act of the listener component of the notification service receiving at the notification from the notification source in a network format comprises the following: an act of the listener component of the notification service receiving a notification from a wireless device.~~

7. (Currently Amended) A method in accordance with Claim 6, further comprising ~~the following: an act of delivering the notification to a mobile service provider.~~

8. (Currently Amended) A method in accordance with Claims 147 or 48, wherein ~~the act of the listener component of the notification service receiving at the notification from the notification source comprises the following: an act of the listener component of the notification service receiving a notification from a mobile service provider.~~

9. (Currently Amended) A method in accordance with Claim 8, further comprising ~~the following: an act of delivering the notification to a wireless device.~~

10. (Currently Amended) A method in accordance with Claims 147 or 48, wherein ~~the act of referencing the configuration XML document at the router component to determining a category associated with of the notification comprises the following: an act of determining that the notification is an instant message.~~

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11. (Currently Amended) A method in accordance with Claims 147 or 48, wherein the act of referencing the configuration XML document at the router component to determineing a category associated with ~~of the notification~~ comprises the following:

an act of failing to detect any express-category associated with ~~of the notification~~; and

an act of determining that the notification is of a default category based on the failure to detect any express-category associated with the notification.

12. (Currently Amended) A method in accordance with Claims 147 or 48, wherein the act of referencing the configuration XML document at the router component to determineing a category associated with ~~of the notification~~ comprises the following: ~~an act of determining that~~ the notification is a buddy list related notification.

13. (Currently Amended) A method in accordance with Claims 147 or 48, wherein the act of referencing the configuration XML document at the router component to determineing a category associated with ~~of the notification~~ comprises ~~the following: an act of determining that~~ the notification is a news related notification.

14. (Currently Amended) A method in accordance with Claims 147 or 48, wherein the act of referencing the configuration XML document at the router component to determineing a category associated with ~~of the notification~~ comprises ~~the following: an act of determining that~~ the notification is a mobile-originated notification.

15. (Currently Amended) A method in accordance with Claims 147 or 48, wherein the act of performing ~~a set of~~ one or more transform operations on the notification content in its internal processing format based on the category associated with ~~of the notification~~ comprises ~~the following: an act of determining whether to check that the notification should be muted.~~

16. (Currently Amended) A method in accordance with Claims 147 or 48, wherein the act of performing ~~a set of~~ one or more transform operations on the notification content in its internal processing format based on the category associated with ~~of the notification~~ comprises

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~~the following: an act of~~ accessing a user profile associated with a sender or receiver of the notification.

17. (Currently Amended) A method in accordance with Claims ~~147~~ or ~~48~~, wherein the act of performing ~~a set of~~ one or more transform operations on the notification content ~~in its internal processing format~~ based on the category associated with ~~of~~ the notification comprises ~~the following: an act of~~ authenticating the notification by verifying whether a user account is disabled or authorized.

18. (Currently Amended) A method in accordance with Claims ~~147~~ or ~~48~~, wherein the act of performing ~~a set of~~ one or more transform operations on the notification content ~~in its internal processing format~~ based on the category associated with ~~of~~ the notification comprises ~~the following: an act of~~ inserting an advertisement into the notification.

19. (Currently Amended) A method in accordance with Claims ~~147~~ or ~~48~~, wherein the act of performing ~~a set of~~ one or more transform operations on the notification content ~~in its internal processing format~~ based on the category associated with ~~of~~ the notification comprises ~~the following: an act of~~ formatting the notification for the destination device.

20. (Currently Amended) A method in accordance with Claims ~~147~~ or ~~48~~, wherein the act of performing ~~a set of~~ one or more transform operations on the notification content ~~in its internal processing format~~ based on the category associated with ~~of~~ the notification comprises ~~the following: an act of~~ determining whether ~~at~~ the user has exceeded a message limit.

21. (Currently Amended) A method in accordance with Claims ~~147~~ or ~~48~~, wherein the act of performing ~~a set of~~ one or more transform operations on the notification content ~~in its internal processing format~~ based on the category associated with ~~of~~ the notification comprises ~~the following: an act of~~ determining the transform operations to perform based on the category.

22. (Canceled)

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23. (Currently Amended) A method in accordance with Claim 21, further comprising  
the following: an act of determining the order of operations to perform based on the category.

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24 - 46 (Canceled)

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47. (New) In a network environment comprised of one or more computers or devices such as mobile devices that serve as notification sources, meaning that such computers or devices serve as sources where notifications are generated in response to an event, such notifications being generated in a network format comprised of an XML document included within an HTTP post request or included within a SOAP message that is included within an HTTP post request, and wherein the network is also comprised of one or more computers or devices that serve as notification sinks, meaning that such computers or devices serve as destinations on the network where the generated notifications are to be sent, a method for delivering such notifications from a notification service that scales the notifications to the number and variety of notification sources and destination sinks at the time such notifications are generated and delivered, the method comprising:

a step for scaling the notification service in order to take into account changes in different types of notifications that may be generated at the notification sources of the network, the scaling being performed by carrying out acts comprised of,

(a) receiving at a listening component of the delivery service a notification generated by a notification source in a network format comprised of an XML document included within an HTTP post request, notification content of the notification being structured within the XML document that identifies data such as a category of notification and transform operations associated with the category that may be performed on notifications of the particular category;

(b) translating the notification into an internal processing format;

(c) forwarding the translated notification to a routing component of the notification service where categorizations of notifications that may be received are stored in an XML configuration document wherein each of the categories has associated transform operations that may be performed for that category;

(d) referencing the configuration XML document at the router component to determine a category associated with the notification, and performing at the router component one or more of the associated transform operations on the notification content of the XML document;

(e) forwarding the notification from the routing component to a delivery component of the notification service for delivery to the notification sinks of the network;

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(f) changing the configuration XML document at the router by adding or deleting nodes of the XML document to add or delete different categories of notifications, and editing transform operations consistent with the added or deleted categories; and

(g) then repeating parts (a) through (e) for any subsequent notification corresponding to the changed categories of notifications.

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48. (New) In a network environment comprised of one or more computers or devices such as mobile devices that serve as notification sources, meaning that such computers or devices serve as sources where notifications are generated in response to an event, such notifications being generated in a network format comprised of an XML document included within an HTTP post request or included within a SOAP message that is included within an HTTP post request, and wherein the network is also comprised of one or more computers or devices that serve as notification sinks, meaning that such computers or devices serve as destinations on the network where the generated notifications are to be sent, a computer program product for implementing a method for delivering such notifications from a notification service that scales the notifications to the number and variety of notification sources and destination sinks at the time such notifications are generated and delivered, the computer program product comprising a physical computer readable medium containing computer-executable instructions for the method, and wherein the method is comprised of :

a step for scaling the notification service in order to take into account changes in different types of notifications that may be generated at the notification sources of the network, the scaling being performed by carrying out acts comprised of,

(a) receiving at a listening component of the delivery service a notification generated by a notification source in a network format comprised of an XML document included within an HTTP post request, notification content of the notification being structured within the XML document that identifies data such as a category of notification and transform operations associated with the category that may be performed on notifications of the particular category;

(b) translating the notification into an internal processing format;

(c) forwarding the translated notification to a routing component of the notification service where categorizations of notifications that may be received are stored in an XML configuration document wherein each of the categories has associated transform operations that may be performed for that category;

(d) referencing the configuration XML document at the router component to determine a category associated with the notification, and performing at the router component one or more of the associated transform operations on the notification content of the XML document;



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- (e) forwarding the notification from the routing component to a delivery component of the notification service for delivery to the notification sinks of the network;
- (f) changing the configuration XML document at the router by adding or deleting nodes of the XML document to add or delete different categories of notifications, and editing transform operations consistent with the added or deleted categories; and
- (g) then repeating parts (a) through (e) for any subsequent notification corresponding to the changed categories of notifications.

49. (New) A method as defined claims 47 or 48, further comprising a step for scaling the notification service in order to take into account changes in the number of notification sources or notification sinks on the network, the scaling being performed by,

- providing the listener, routing and delivery components of the notification service with a plurality of identical modules for performing the functions of the listener, routing and delivery components;

- providing each of the listener, routing and delivery components with a load balancing function that distributes a received notification to one of the modules of that component; and

- changing the number of modules at one or more of the listener, routing and delivery components in order to take into account changes in the number of notifications sources or notification sinks on the network.